

JAPANESE MEDICAL MATERIAL

P-312

PHILOPON

(Dextro-1-phenyl-2-methylamino-propane hydrochloride)

291785

Medical No. 227

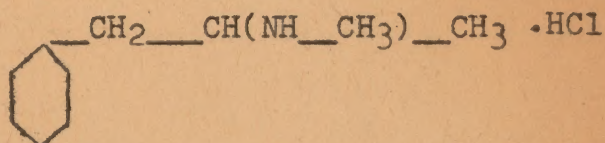
22 May 1946

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PHILOPON

(Dextro-1-phenyl-2-methylamino-propane hydrochloride)

SOURCE: Tokyo, Japan.IMPORTANCE: Not previously reported. An optically active synthetic phenyl alkylamine similar in action to Benzedrine. No identical product is listed in standard American references.DESCRIPTION: Five-hundred pale yellow tablets are enclosed in a green colored box inside a cardboard carton.SUMMARY OF GENERAL INFORMATION: Chemically, Philopon is dextro-1-phenyl-2-methylamino-propane hydrochloride,

It is a Benzedrine-like compound, characterized by the replacement of one hydrogen atom of the amine radical of Benzedrine by a methyl group. Whereas Benzedrine is a racemic mixture, Philopon is a dextrorotatory compound. (The levorotatory isomer, Hospitan, is described in Medical Technical Report No. 226).

Philopon is extracted from Ma-huang (Yellow hemp) and is available as a 1% powder, in tablets (1 mg.) and as an injection containing 3 mg. per 1 cc of isotonic solution. The recommended dose varies from 1.5 to 9 mg. regardless of the route of administration (oral, subcutaneous or intramuscular), and the degree of action obtained is claimed to be practically the same for all

routes. The pharmacological effects of Philopon are similar to those of Benzedrine but no comparative results as to pressor activity, duration of pressor action, toxicity etc., are recorded.

A translation of the literature enclosed with the product is part of this report and includes its composition and properties, action and advantages, indications, dosage and directions, incompatibilities, secondary reactions, packaging and manufacturer.

PHOTOGRAPHS:

Figure 1- Carton and container of Philipon

Figure 2- Philipon literature

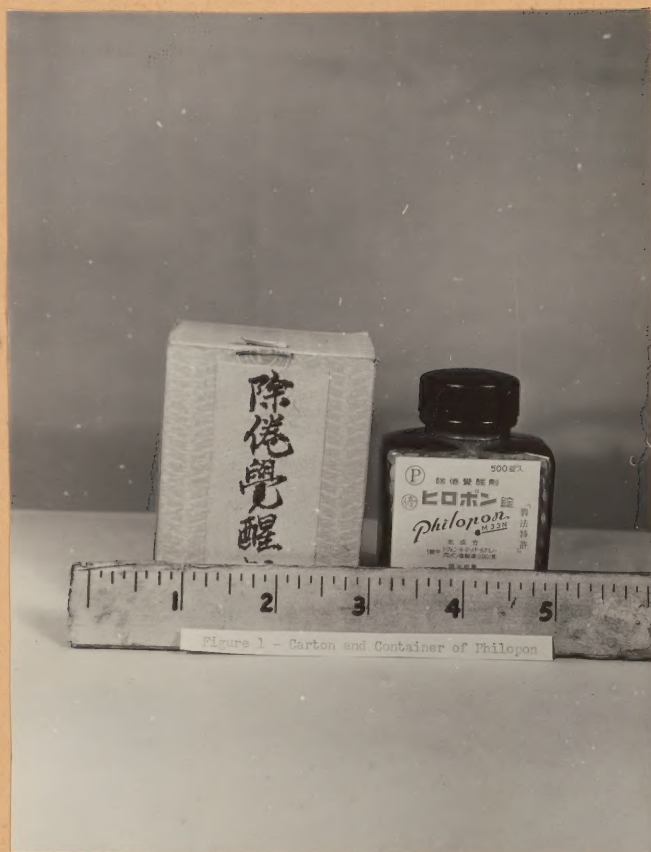


Figure 1 - Carton and Container of Philopon

最新除倦覺醒劑「製法特許」

PHILOPON M33N

最近、エフェドリン・アドレナリン系薬物のうち、「魔薬アミン」と呼ばれる、急速的に世界
の市場から消失と聞かせる集団として、この二種の薬物があるが、一は一九三五年米國に於て特
限から除外されて出回られ、他はこれに一段の研究と改良を加へて一九三八年同國に於て初めて
て發賣されたものに更に追加して新種として、種々親類なるものを用ひを拓き正統なる實用を博しつ
つある。この二種は、東京藥學大學名譽教授佐藤博士・藥師藤田博士・故長井長義先生が明治二
十六年藥學研究所第三三三號(M33)として發表せられた物類にほかならない。
我々は、殊に此を念ふとして同博士の遺法に依つて選製改革より本劑を製出し、未だ比類なき強
力なる生理作用を有して、本邦に於て主藥と爲す。

集成及び性状

本薬は *d*-1-Phenyl-2-methylamino-propan $\text{C}_6\text{H}_5\text{—CH}_2\text{—CH(NHCH}_3\text{)—CH}_3$ の鹽酸鹽である。鹽酸エフェドリンの側鎖に於ける唯一の水添基を缺如したものにほかならない。右屬性である。

錠剤一個は本剤の0.00一瓦を含有し、散剤は本剤の百倍稀釋であつて、その一瓦は本剤の0.0一瓦に相當し、注射剤は一cc中本剤の0.00三瓦を含む等張液である。

作用及び特徴

- 一 本體質は思惟作用の動力となり、中樞神経系を通じて、精神的及び肉體的活動を著明に亢進し、
二 本體質は思惟作用の骨格となり、年歳隨ひて品質を失す。
三 本體質を補助作用は除去し、又本體質を不安定とし、正傾向を破壊し、偏分を興起に二する。
四 本體質を通じては氣血の運送は意識作用の補助作用に非ざる、不活動的の傾向をもたず、
五 本體質を通じては持続的なる温度は、本體質に非ざる、差に低微、差に低微、差に低微、差に低微、
六 呼吸器から作用の補助作用は、本體質に非ざる、差に低微、差に低微、差に低微、差に低微、
七 消化管内からの効果は、本體質に非ざる、差に低微、差に低微、差に低微、差に低微、
八 本體質の持続的者より長。
九 本體質から棄出せられ、本體質に、類似の非體質成分成品に於て作用が遂に強い。

適 應 領 域

- 中、健康者に於ける應用
- 一、適度の精神的並に肉體的活動が一時的に要求されるとき。
- 二、微暑（夜露、夜間看護、通夜等）、夜間作業（調度勤務、その他睡眠除去を必要とする凡ゆる場合）。
- 三、疲勞、宿醉、藥物醉（船車、飛行機等）、山岳病等の治療及び豫防。
- 四、各種スエーデンに於けるドーピング類（使用の可否は別とす）。

乙、醫療方面の應用

- 一、病室の一隅に立脚し、枕頭の上に仰臥し、右腕を伸出して、肘屈曲の體位とする。手背後、不安の疾患、手背不能の症候に悩む患者の苦悶は、不安、不眠、食慾不振、明眼快活がらしみ、情懷に對する希望と意欲を喚起せしめ、拍撃を促進する。
- 二、精神刺激方面
- 1、各種憂鬱症、癱瘓症の發覺時、精神科医生は「憂鬱症、マランコリア」等、2、癲癇發作期、各種の骨痛、骨挫増強、癲癇狀態に關連した頭痛、面痛、齒痛、頸痛、インシュリン、各種のアロパチクなどによる上記の状態ニヒステリイ、神經衰弱、疑忌、嘔吐、4、腹痛、5、睡眠、6、尿閉、7、便秘、8、性根及び慢性中落、9、性根、ナルコレプシヤ、各アロパチク及ぶその他諸般の諸般、10、急性及び慢性中落、5、流行性腮腺炎及びその終末症、6、急性性及び慢性腮腺炎、7、肺病の發見等。
- 三、内科的方面
- 1、低血壓症及びその副伴症、眩暈及び失神傾向、自殺傾向、不眠症等、2、虚脱狀、及び狭心症、各種原因による投分狀態、倦怠感、精力耗損、4、肩關節痛、胃痛等、5、氣管支喘息、肺壞疽、氣管支加答各等、6、血壓下降に伴ひ之戻、夜尿症等。
- 四、手術的方面
- 1、手術中及び手術後の虛脫狀態、2、手術前及び手術後の不安除去、3、痙攣下りの最著見症、4、手術後、手術中の諸般、5、術後、術中に於ての諸般。

用量及び用法

本判の用意は各個性にて著しく異なるが、通常気血虧損、虚火上升、腫脹除去等の中症性質の薬作用を認む場合には、一日五回、〇・〇〇三—〇・〇〇六グラムを服用し、夜間に分服すれば充分で、何等の障礙も起さない。血腫作用の強弱腫脹脱腫等を求める場合には、〇・〇〇六—〇・〇一〇、〇・〇五—〇・一四グラムはそれ以上を越すことはできない。不能を要す婦人、不能の傾向ある人等は午前中或は正午時に服用する以上。表明に際して醫師の指示を受ける以外は讀くことにより、已むを得ない時は低次と停止して再び用ゆるのが最善である。非特藥は皮下又は筋肉内に注射する。内服は内服と併用と相違ない。

註記としては、一、ペセド氏病 二、自律神経系失調症 三、循環器障害等である。副作用として大抵使用の場合及び禁煙人にあつて、軽度の心悸亢進、頭暈、發汗、口渴、不眠等を訴へてゐる。本剤の習慣性には著明のものなく、勿論禁斷現象などはない。

回 蘇

- 錠劑 (一錠中 〇・〇〇 瓦含有) 二〇錠 五〇錠 一〇〇錠 五〇〇錠
散劑 (一〇〇倍稀釋、一瓦中 〇・〇 瓦含有) 二五瓦 一〇〇瓦
注射劑 (一cc 中 〇・〇 瓦含有) 一cc 五管 一〇管 五〇管

大阪市東區道修町三丁目二十五番地

發賣元 (P) 大日本製藥株式會社

支店 東京市日本橋區本町二丁目

支店 奉天市大和區浪速通三九番地

出張所 臺北市榮町三丁目

出張所 札幌市南三條西八丁目

Translation of the Accompanying Literature

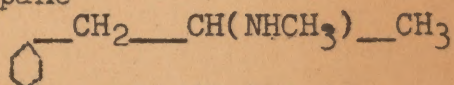
PHILOPON M33N

Possesses Peripheral Circulatory Action
Newest Stimulant in Fatigue
(New on the market; Manufacturing process patented).

Within the ephedrine-adrenalin group of medicinals called the stimulating amines, there are two types of drugs, which in recent times are attracting unusual concern and interest within the medical circles. The former was on the market in America and used both in England and the United States in 1935, while research and improvement was made on the latter and was sold for the first time in 1938 in Germany. This latter is far more improved and gradually opened a wide scope of use and so being greatly praised. This drug is none other than M33N, announced in 1893 in "Material for Research of Yellow Hemp" by Naoyuki Nagai, Doctor of Pharmacology, Doctor of Science, Honorary Professor of Tokyo Imperial University.

This drug is manufactured from the Chinese drug, "Yellow Hemp" by our firm by a revision of our special license and according to the method of the late Professor. As yet there is no comparable drug and we contribute this drug to the medical world as a powerful central stimulant.

COMPOSITION AND PROPERTIES: This drug is the hydrochloride of dextro-1-phenyl-2-methylamino-propane



and lacks one (OH) radical that is present in the side chain of ephedrine hydrochloride. It is dextro-rotatory.

Each tablet contains 0.001 gm. of this drug. The powder is a 1-100 dilution, and one gm. of this powder is equivalent to 0.01 gm. of the drug. Injection---One cc contains 0.003 gm. in isotonic solution.

ACTION AND ADVANTAGES:

1. This drug is a powerful stimulant to the central nervous system and has no secondary reaction. It markedly increases mental and physiological activity, judgement, thinking and promotes physical action and strength.
2. It prevents and counteracts fatigue, melancholy, uneasiness and restores vitality and spirit.
3. It counteracts sleepiness and has an awakening action and one can be sleepless without any unpleasantness.

4. It raises blood pressure continuously and it is especially effective in low blood pressure and prostration.

5. It promotes deep breathing, has an analgesic and diuretic action, removes swelling of the mucous membrane and has an expectorant and hemostatic action.

6. The absorption in the digestive organs is good and speedy and there is practically no difference in the degree of action between injection and oral medication and moreover, the action is remarkably of long duration.

INDICATIONS:

A. In Healthy Individuals:

1. In case excess mental and physical action is required temporarily.

2. Night watchmen, night nurses, wake services, hearing lectures and other cases where sleep has to be counteracted.

3. Treatment and prevention of fatigue, hangover, motion sickness (boat, car or plane), and mountain sickness.

4. Doping purposes in various sports (aside from whether its use is right or wrong).

B. In Medical Treatment:

1. Treatment of diseases:

Dispels agony, uneasiness and unpleasantness of those sick for a long period of time, those whose convalescence is delayed, after operations, those suffering from incurable diseases and from cancer that cannot be operated on. It makes them cheerful and rouses a desire to recover and thereby hastens recovery.

2. Mental Science:

a. Various types of melancholy

Convulsions

Relieves stupor in insanity

Melancholy

b. Various types of stupor in sleeping sickness

Unconsciousness

Lethargy

Vagueness

Cerebral hemorrhage

Cerebral thrombus

Brain concussion

Epilepsy

Insulin shock

c. Hysteria

Nervous exhaustion

d. Acute and chronic poisoning of anesthesia, sudorifics and drunkenness (morphine, narcopon, calmotin and similar products and alcohol)

e. Encephalitis epidemic

Remaining symptoms of diseases

f. Acute and chronic neuritis

g. Detecting feigned diseases

3. Internal Treatment

a. Low blood pressure and accompanying diseases
Giddiness and tendency to faint
Weariness and unpleasantness

b. Prostration
Angina Pectoris

c. Fatigue, exhaustion and weakness due to various causes

d. Migraine
Stiff shoulders

e. Bronchial asthma
Lung gangrene
Bronchial catarrh

f. Urine deficiency accompanying droppin of blood pressure
Enuresis

4. Surgery

- a. Collapse during and after operation
- b. Dispelling uneasiness before and after operation
- c. As a stimulant after use of anesthesia
- d. Urine deficiency or absence of urine after operation
- e. Swelling of mucous membrane especially in inflammation of nose
- f. Hemorrhage

DOSAGE AND DIRECTION: The dosage differs markedly with individuals but in cases where a central stimulant is desired as in ordinary healthy convalescence, prevention of fatigue and sleepiness, 0.003-0.006 gm (3-6 tablets) is sufficient and this may be divided into two doses. It does not cause any reaction.

In case a stimulating action is desired in sleepiness and low blood pressure 0.006-0.009 gm (6-9 tablets) is sufficient. Where sleep is desired or where one has a tendency toward insomnia it should be taken in the morning or before noon. Do not use continuously unless prescribed by a doctor and when necessary take only at intervals. Injection may be by subcutaneous or intramuscular route. This dosage is approximately the same as for oral medication.

INCOMPATIBILITIES:

1. Basedow's Disease
2. Diseases of voluntary nervous system
3. Excited condition

SECONDARY REACTION: Will cause slight palpitation, perception of heat, sweat, thirst and insomnia when an overdose is taken or in sensitive individuals. It is not markedly habit forming and of course, there is no reason for not taking this drug.

PACKAGE:

Tablets (Each tablet 0.001 gm)

20 tablets
50 tablets
100 tablets
500 tablets

Powder (Diluted 100 times) (1 gm of powder = 0.01 gm Philopon)

10 gm
25 gm
100 gm

Injection (Each cc - 0.003 gm)

1cc - 5 ampoules
1cc - 10 ampoules
1cc - 50 ampoules

MANUFACTURER AND SELLER:

Dai Nippon Drug Manufacturing Company Ltd.
No. 25, 3-Chome Doshucho
Higashi-Ku, Osaka

BRANCHES:

2-chome, Honcho and 39 Naniwa Dori
Nihonbashi-Ku, Tokyo Yamato-Ku, Hoten

DISTRIBUTOR: 3-chome Sakae cho, Daihoku Shi

8-chome Nishi
Minami Sanjo, Sapporo